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WITH SUBJECT AND AUTHOR INDEX

THE FRANKLIN INSTITUTE RESEARCH LABORATORIES

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This bibliography provides references to the literature on two principle methods of chemical structure-biological activity correlation which employ multiple regression, the multiple parameter approach (Hansch) and the additive model (Free-Wilson). The coverage of the literature is meant to include major and representative papers. Important references, both from older and current literature, are being added to this compilation, which will be updated at the end of 1975. The bibliography also contains citations to papers employing factor analysis, discriminant analysis, pattern recognition, and cluster analysis to correlate chemical structure to biological activity. As these techniques and new ones are published in the literature, they are being included in the compilation. This edition of the bibliography covers the literature to November, 1974.

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Project Officer
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PREFACE

This bibliography provides references to the literature on the two principle methods of structure-activity correlation which employ multiple regression, the multiple parameter approach (Hansch) and the additive model (Free-Wilson). The coverage of the literature is not exhaustive, but is meant to include major and representative papers. Important references, both from the older and current literature, are being added to this file, which will be updated at the end of 1975. Suggestions for inclusion of paper in this file are welcomed, and may be made to Dr. Paul N. Craig, Science Information Services Department, Franklin Institute Research Laboratories, 20th and Race, St., Philadelphia, Pa. 19103.

As new analytical techniques to correlate structure with biological activity and relevant approaches to represent chemical structure are published, they are also being included. The bibliography already contains papers employing factor analysis, discriminant analysis, pattern recognition and cluster analysis.

The original set of papers in the structure-activity correlation bibliography was derived from the files of the Office of Toxic Substances in the Environmental Protection Agency, and in part, from the personal files of Dr. Paul N. Craig. It is being kept current by the scientific literature screening activities of the Science Information Services Department of the Franklin Institute Research Laboratories.

This edition of the index covers the literature to November 1974.

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